

ABSTRACT

A conformal retro-modulator optical apparatus. The apparatus includes an array of multiple
5 quantum well devices disposed in a thin array. A plastic support element is bonded to the thin array, the plastic support element having a thickness greater than that of the thin array. The plastic support element is preferably plastic at elevated temperatures above room temperature, thereby allowing the plastic support element and the thin array of multiple well device disposed therein to conform to a predetermined shape, yet being rigid at room temperature.